AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A biochemical analysis unit, comprising:

i) a base plate, which has a plurality of holes,

and

ii) a porous adsorptive material, which is filled in each of the plurality of the holes of the base plate and forms each of a plurality of adsorptive regions,

wherein each of the adsorptive regions ~~is provided with~~ comprises a first layer and a second layer,

a ~~which has pores having a comparatively small~~ mean pore diameter of the first layer is larger than a , ~~and layer, which has pores having a comparatively large~~ mean pore diameter of the second layer.

2. (currently amended): A biochemical analysis unit as defined in Claim 1 wherein the ~~layers~~ first and the second layer of one of said , ~~which constitute each of the~~ adsorptive regions is connected with a first and a second layer corresponding to an adjacent one of said adsorptive regions , ~~are connected with the layers, which~~

~~constitute an adjacent adsorptive region,~~ at one of surfaces of the base plate, and

the biochemical analysis unit further comprises a signal absorbing layer for absorbing

a signal <u>positioned below the base plate such that the first layer, the second layer and the</u>

<u>signal absorbing layer is present below the base plate outside of the adsorptive regions and</u>

<u>the signal absorbing layer is present below the first and the second layer in the adsorptive</u>

<u>regions</u> ~~, which passes through layers located under the base plate and thus propagates from a~~

~~certain hole of the base plate toward an adjacent hole of the base plate~~.

3. (currently amended): A biochemical analysis unit as defined in Claim 1 wherein ~~, in~~

~~cases where the mean pore diameter of the pores of the layer, which has the pores having a~~

~~comparatively large mean pore diameter, is taken as 1, the mean pore diameter of the pores of the layer,~~

~~which has the pores having a comparatively small mean pore diameter,~~ <u>a ratio of the mean pore diameter</u>

<u>of the second layer to the mean pore diameter of the first layer</u> is at most 0.7.

4. (currently amended): A biochemical analysis unit as defined in Claim 2 wherein ~~, in~~

~~cases where the mean pore diameter of the pores of the layer, which has the pores having a~~

~~comparatively large mean pore diameter, is taken as 1, the mean pore diameter of the pores of the layer,~~

~~which has the pores having a comparatively small mean pore diameter,~~ <u>a ratio of the mean pore diameter</u>

<u>of the second layer to the mean pore diameter of the first layer</u> is at most 0.7.

5. (original): A biochemical analysis unit as defined in Claim 1 wherein the base plate is constituted of a material having radiation attenuating properties and/or light attenuating properties.

6. (original): A biochemical analysis unit as defined in Claim 2 wherein the base plate is constituted of a material having radiation attenuating properties and/or light attenuating properties.

7. (original): A biochemical analysis unit as defined in Claim 3 wherein the base plate is constituted of a material having radiation attenuating properties and/or light attenuating properties.

8. (original): A biochemical analysis unit as defined in Claim 4 wherein the base plate is constituted of a material having radiation attenuating properties and/or light attenuating properties.